

GLB3500E-2R Satellite TV Optical LNB

GLB3500E-2R satellite TV FTTH Optical LNB is a fiber optic receiver converting optical signal into RF for up to 4 satellite receivers in one home. Working with Greatway GLB3500E-2T satellite TV optical transmitter, GLB3500E-2R has built-in SatCR module dealing with wideband satellite RF, outputs 4 satellite user bands at one SatCR RF port for 4 unicable satellite receivers.

GLB3500E-2R has 1310nm/1490nm/1550nm WDM option port for co-working with GPON ONU in any FTTH application, which enables traditional satellite Quattro LNB contents be inserted in the GPON system.



Features:

- Compact die-cast aluminum housing
- High Linearity Photodiode
- SC/APC fiber input
- Optical AGC range: -6dBm ~ +1dBm
- One SatCR RF port for up to 4 unicable sat receivers in one home
- Sat RF Ban: 950~2150MHz
- Terrestrial TV RF Bandwidth: 88~250MHz
- Complied with EN50494+EN50607 standards
- CE approved
- Optional WDM port to GPON ONU

Specifications

Item	Parameter
Input Optical Wavelength	1000~1600 nm
Working Optical Power	-14dBm ~ +2dBm
AGC Range	-6dBm ~ +1dBm Optical Input
Optical Connector	SC/APC
Optical Return Loss	45 dB
RF Bandwidth	Sat: 950~2150MHz Terrestrial TV: 88~250MHz
RF Flatness	Sat: $\pm 4.0\text{dB}@88\sim 2150\text{MHz}$, $\leq 1.5\text{dB}@any\ 36\text{MHz}$
RF Return Loss	>10 dB
RF Connector	American F Female
RF Output Impedance	75 Ω
RF Output Level	>74dB μ V @ (-6dBm ~ +1dBm)
Sat User Band	4 (EN50494+EN50607) 1210MHz, 1420MHz, 1680MHz, 2040MHz
Power Supply	11~20V DC power adapter with F connector
Power Consumption	5W
LED Indicator	Wideband Horizontal LED and wideband vertical LED Green when the signal is higher than -55dBm
Working Temperature	-10 ~ +50°C
Storage Temperature	-40 ~ +85°C
Humidity	$\leq 95\%$
Dimension (L*W*H)	165mm×85mm×38mm
Weight	0.5 Kg

Ordering Information

GLB3500E-2XR Satellite TV FTTH Optical LNB for 4 unicable receivers in one home
X(GPON Option): None_ No WDM port to ONU, W_ one WDM fiber port to ONU